

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

10/730,261A

Source:

IFW/6

Date Processed by STIC:

7-6-05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 07/06/2005

PATENT APPLICATION: US/10/730,261A

TIME: 12:39:07

Input Set : D:\US Utility 50229-418 SubSeq.txt

Output Set: N:\CRF4\07062005\J730261A.raw

```

3 <110> APPLICANT: University of Kentucky Research Organization
4     Testa, Stephen M.
5     Bell, Michael A.
7 <120> TITLE OF INVENTION: TRANS-EXCISION-SPLICING RIBOZYME AND METHODS OF USE
9 <130> FILE REFERENCE: 050229-0418
11 <140> CURRENT APPLICATION NUMBER: 10/730,261A
12 <141> CURRENT FILING DATE: 2003-12-09
14 <150> PRIOR APPLICATION NUMBER: 60/431,965
15 <151> PRIOR FILING DATE: 2002-12-10
17 <160> NUMBER OF SEQ ID NOS: 21
19 <170> SOFTWARE: PatentIn version 3.3
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 33
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Chemically synthesized
30 <220> FEATURE:
31 <221> NAME/KEY: misc_feature
32 <222> LOCATION: (13)..(18)
33 <223> OTHER INFORMATION: Represent altered recognition elements as compared to P-8/4x
35 <400> SEQUENCE: 1
36 cagcgcgctt tcgggaacct ctatagtgag tcg                                     33
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 33
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: Chemically synthesized
48 <220> FEATURE:
49 <221> NAME/KEY: misc_feature
50 <222> LOCATION: (15)..(21)
51 <223> OTHER INFORMATION: Represent altered recognition elements as compared to P-8/4x
53 <400> SEQUENCE: 2
54 cgactcacta tagaggttcc cgaaagcggc gtg                                     33
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 25
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: Chemically synthesized
66 <220> FEATURE:
67 <221> NAME/KEY: misc_feature

```

RAW SEQUENCE LISTING

DATE: 07/06/2005

PATENT APPLICATION: US/10/730,261A

TIME: 12:39:07

Input Set : D:\US Utility 50229-418 SubSeq.txt

Output Set: N:\CRF4\07062005\J730261A.raw

```

68 <222> LOCATION: (11)..(12)
69 <223> OTHER INFORMATION: Represent altered recognition elements as compared to P-8/4x
71 <400> SEQUENCE: 3
72 ggtatagtct tgcctctttc gaaag 25
75 <210> SEQ ID NO: 4
76 <211> LENGTH: 25
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Chemically synthesized
84 <220> FEATURE:
85 <221> NAME/KEY: misc_feature
86 <222> LOCATION: (14)..(15)
87 <223> OTHER INFORMATION: Represent altered recognition elements as compared to P-8/4x
89 <400> SEQUENCE: 4
90 ctttcgaaag aggcaagact atacc 25
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 30
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Chemically synthesized
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: (13)..(15)
105 <223> OTHER INFORMATION: Represent altered recognition elements as compared to P-8/4x
107 <400> SEQUENCE: 5
108 cgactcacta taggtgttcc cgaaagcggc 30
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 30
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Chemically synthesized
120 <220> FEATURE:
121 <221> NAME/KEY: misc_feature
122 <222> LOCATION: (16)..(18)
123 <223> OTHER INFORMATION: Represent altered recognition elements as compared to P-8/4x
125 <400> SEQUENCE: 6
126 gccgctttcg ggaacaccta tagtgagtcg 30
129 <210> SEQ ID NO: 7
130 <211> LENGTH: 12
131 <212> TYPE: RNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Chemically synthesized
137 <400> SEQUENCE: 7
138 augacugugc uc 12
141 <210> SEQ ID NO: 8

```

RAW SEQUENCE LISTING

DATE: 07/06/2005

PATENT APPLICATION: US/10/730,261A

TIME: 12:39:07

Input Set : D:\US Utility 50229-418 SubSeq.txt

Output Set: N:\CRF4\07062005\J730261A.raw

```

142 <211> LENGTH: 10
143 <212> TYPE: RNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Chemically synthesized
149 <400> SEQUENCE: 8
150 augacugcuc 10
153 <210> SEQ ID NO: 9
154 <211> LENGTH: 332
155 <212> TYPE: RNA
156 <213> ORGANISM: Pneumocystis carinii
158 <400> SEQUENCE: 9
159 gagggucaug aaagcggcgu gaaaacguua gcuagugauc uggaauaaau ucagauugcg 60
161 acacugucac auugcgggga agcccuaaag auucaacuac uaagcaguuu guggaaacac 120
163 agcuguggcc gaguuaauag ccugggguau aguaacaau uugaauauga aucuuuugcg 180
165 agaugaaaug ggugaucgcg agccaagucc uaagggcauu uuugucuaug gaugcaguuc 240
167 aacgacuaga uggcaguggg uauuguaagg aaugcaguu uucuugcagu gcuaaaggua 300
169 uagucuaucc ucuuucgaaa gaaagaguau au 332
172 <210> SEQ ID NO: 10
173 <211> LENGTH: 36
174 <212> TYPE: RNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Chemically synthesized
180 <400> SEQUENCE: 10
181 augacucacc uuuuuuuuuu uuugugcucu uaaggu 36
184 <210> SEQ ID NO: 11
185 <211> LENGTH: 11
186 <212> TYPE: RNA
187 <213> ORGANISM: Pneumocystis carinii
189 <400> SEQUENCE: 11
190 gagggucaua u 11
193 <210> SEQ ID NO: 12
194 <211> LENGTH: 38
195 <212> TYPE: RNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Chemically synthesized
201 <400> SEQUENCE: 12
202 gggaaugcug cugcugcugc ugsgggggauc acagacca 38
205 <210> SEQ ID NO: 13
206 <211> LENGTH: 11
207 <212> TYPE: RNA
208 <213> ORGANISM: Pneumocystis carinii
210 <400> SEQUENCE: 13
211 gguguucccu g 11
214 <210> SEQ ID NO: 14
215 <211> LENGTH: 16
216 <212> TYPE: RNA

```

RAW SEQUENCE LISTING

DATE: 07/06/2005

PATENT APPLICATION: US/10/730,261A

TIME: 12:39:07

Input Set : D:\US Utility 50229-418 SubSeq.txt

Output Set: N:\CRF4\07062005\J730261A.raw

```

217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Chemically synthesized
222 <400> SEQUENCE: 14
223 augacucucu uaaggu 16
226 <210> SEQ ID NO: 15
227 <211> LENGTH: 6
228 <212> TYPE: RNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Chemically synthesized
234 <400> SEQUENCE: 15
235 augacu 6
238 <210> SEQ ID NO: 16
239 <211> LENGTH: 7
240 <212> TYPE: RNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Chemically synthesized
246 <400> SEQUENCE: 16
247 gugcucu 7
250 <210> SEQ ID NO: 17
251 <211> LENGTH: 10
252 <212> TYPE: RNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Chemically synthesized
258 <400> SEQUENCE: 17
259 gggaauacca 10
262 <210> SEQ ID NO: 18
263 <211> LENGTH: 6
264 <212> TYPE: RNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Chemically synthesized
270 <400> SEQUENCE: 18
271 gggaau 6
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 13
276 <212> TYPE: RNA
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Chemically synthesized
282 <400> SEQUENCE: 19
283 cucucuguaa ggu 13
286 <210> SEQ ID NO: 20
287 <211> LENGTH: 12
288 <212> TYPE: RNA
289 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 07/06/2005

PATENT APPLICATION: US/10/730,261A

TIME: 12:39:07

Input Set : D:\US Utility 50229-418 SubSeq.txt

Output Set: N:\CRF4\07062005\J730261A.raw

291 <220> FEATURE:
292 <223> OTHER INFORMATION: Chemically synthesized
294 <400> SEQUENCE: 20
295 cucucuuaag gu 12
298 <210> SEQ ID NO: 21
299 <211> LENGTH: 6
300 <212> TYPE: RNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Chemically synthesized
306 <400> SEQUENCE: 21
307 cucucu 6

VERIFICATION SUMMARY

DATE: 07/06/2005

PATENT APPLICATION: US/10/730,261A

TIME: 12:39:08

Input Set : D:\US Utility 50229-418 SubSeq.txt

Output Set: N:\CRF4\07062005\J730261A.raw